Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.    (currently amended) A method for performing single frame backwards playback in a digital versatile disc (DVD) system, the method comprising:

(a) receiving a signal indicating selection of a single frame reverse function;

(b) reconstructing a frame, ~~data for a~~ preceding a currently displayed frame of an original playback, from said currently displayed frame to generate reconstructed frame ~~data~~;

(c) utilizing memory sufficient to support said reconstructing; and

(d) displaying ~~the~~ said reconstructed frame ~~data of the~~ preceding said currently displayed frame.

2.    (original)  The method of Claim 1 further comprising (e) determining whether another selection of the single frame reverse function has occurred.

3.    (previously presented) The method of Claim 2 further comprising repeating said (b), (c), and (d) for a next preceding frame when another selection has occurred.

4.      (previously presented)  The method of Claim 1 wherein said (c) further comprises utilizing at least seven frame buffers.


5.      (currently amended)  The method for performing single frame reverse playback in a digital versatile disc (DVD) system, the method comprising:

receiving a signal indicating selection of a single frame reverse function;

reconstructing a frame, preceding a currently displayed frame of an original playback, from said currently displayed frame to generate a reconstructed frame;

providing sufficient memory to store ~~reconstructed~~ said frame ~~data for a frame~~ preceding ~~a~~ said currently displayed frame; and

displaying ~~the~~ said reconstructed frame preceding said currently displayed frame.


6.      (original) The method of Claim 5 further comprising determining whether another selection of the single frame reverse function has occurred.


7.      (original)  The method of Claim 6 further comprising reconstructing a next preceding frame when another selection has occurred.


8.      (original)  The method of Claim 5 wherein providing sufficient memory further comprises providing at least seven frame buffers.

9.     (currently amended)  A digital versatile disc (DVD) player system with single frame backwards playback capabilities, the system comprising:

a decoding engine for receiving a signal indicating selection of a single frame reverse function and reconstructing a frame, ~~data for a~~ preceding a currently displayed frame of an original playback, from said currently displayed frame;

a plurality of frame buffers for storing frame data during the reconstructing; and

a display device for displaying the reconstructed frame.


10.     (original) The DVD player system of Claim 9 wherein the decoding engine further determines whether another selection of the single frame reverse function has occurred.


11.     (original) The DVD player system of Claim 10 wherein the decoding engine reconstructs a next preceding frame when another selection has occurred.


12.     (original) The DVD player system of Claim 9 wherein the plurality of frame buffers further comprises at least seven frame buffers.


13.     (previously presented) The DVD player system of Claim 9 further comprising a personal computer PC-based DVD player.

14. (previously presented) The DVD player system of Claim 9 further comprising a game console-based DVD player.


15. (currently amended) A method for performing single frame backwards playback in an optical storage and playback system, the method comprising:

(a) receiving a signal indicating selection of a single frame reverse function;

(b) reconstructing a frame, ~~data for a~~ preceding a current displayed frame of an original playback, from said currently displayed frame to generate reconstructed frame ~~data~~;

(c) utilizing memory sufficient to support said reconstructing; and

(d) displaying ~~the~~ said reconstructed frame ~~data of the~~ preceding said currently displayed frame.


16. (previously presented) The method of Claim 15 further comprising (e) determining whether another selection of the single frame reverse function has occurred.


17. (previously presented) The method of Claim 16 further comprising repeating said (b), (c), and (d) for a next preceding frame when another selection has occurred.


18. (previously presented) The method of Claim 15 wherein said (c) further comprises utilizing at least seven frame buffers.

19.    (currently amended)  The method for performing single frame reverse

playback in an optical storage and playback system, the method comprising:

   receiving a signal indicating selection of a single frame reverse function;

   reconstructing a frame, preceding a currently displayed frame of an

original playback, from said currently displayed frame to generate a

reconstructed frame;

   providing sufficient memory to store ~~reconstructed~~ said frame ~~data for a~~

~~frame~~ preceding ~~a~~ said currently displayed frame; and

   displaying ~~the~~ said reconstructed frame preceding said currently displayed

frame.


20.    (previously presented) The method of Claim 19 further comprising

determining whether another selection of the single frame reverse function has

occurred.


21.    (previously presented)  The method of Claim 20 further comprising

reconstructing a next preceding frame when another selection has occurred.


22.    (previously presented)  The method of Claim 19 wherein providing

sufficient memory further comprises providing at least seven frame buffers.


23.    (new) The method of Claim 1, wherein said reconstructing of said frame

preceding said current frame comprises:

b1)     determining an intra frame preceding said currently displayed frame, wherein said intra frame is self-contained to reproduce said intra frame; and

b2)     reconstructing frames between said intra frame and said currently displayed frame until said frame preceding said currently displayed frame is reconstructed.


24.     (new) The method of Claim 5, wherein said reconstructing frame preceding said current frame comprises:

determining an intra frame preceding said currently displayed frame, wherein said intra frame is self-contained to reproduce said intra frame; and

reconstructing frames between said intra frame and said currently displayed frame until said frame preceding said currently displayed frame is reconstructed.


25.     (new) The DVD player system of Claim 9, wherein said reconstructing of said frame preceding said current frame comprises:

determining an intra frame preceding said currently displayed frame, wherein said intra frame is self-contained to reproduce said intra frame; and

reconstructing frames between said intra frame and said currently displayed frame until said frame preceding said currently displayed frame is reconstructed.

26.    (new) The method of Claim 15, wherein said reconstructing of said frame preceding said current frame comprises:

b1)    determining an intra frame preceding said currently displayed frame, wherein said intra frame is self-contained to reproduce said intra frame; and

b2)    reconstructing frames between said intra frame and said currently displayed frame until said frame preceding said currently displayed frame is reconstructed.


27.    (new) The method of Claim 19, wherein said reconstructing frame preceding said current frame comprises:

determining an intra frame preceding said currently displayed frame, wherein said intra frame is self-contained to reproduce said intra frame; and

reconstructing frames between said intra frame and said currently displayed frame until said frame preceding said currently displayed frame is reconstructed.